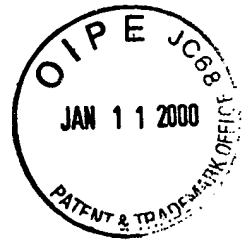


**TECHNIQUES FOR PERMITTING ACCESS ACROSS A
CONTEXT BARRIER ON A SMALL FOOTPRINT DEVICE
USING AN ENTRY POINT OBJECT**



ABSTRACT OF THE DISCLOSURE

B2 A small footprint device can securely run multiple programs from unrelated vendors by the inclusion of a context barrier isolating the execution of the programs. The context barrier performs security checks to see that principal and object are within the same context or to see that a requested action is authorized for an object to be operated upon. Each program or set of programs runs in a separate context. Access from one program to another program across the context barrier can be achieved under controlled circumstances by using an entry point object.

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